Application Serial No.: Attorney Docket No:

10/580,885

26281-19A

Examiner: M. Leslie Art Unit: 3745

AMENDMENTS TO THE CLAIMS

Claims 1-10: (Canceled)

Claim 11. (New) A fuel supply pump having a tappet structural body which includes a roller and a tappet body portion which houses a roller, which supplies a fuel under pressure by pressurizing the fuel, wherein:

- a) the tappet body portion includes a body portion which has a roller receiver having an inner peripheral surface which conforms to an outer peripheral surface of the roller and a cylindrical slide portion which extends upwardly from an end portion of an upper surface of the body portion
- b) the roller is rotatably held by the roller receiver of the tappet body portion,
- c) the fuel supply pump includes plate-like restricting means which restrict a movement of the roller in the rotary axis direction,
- d) each of the plate-like restricting means is constituted by extending a portion of the peripheral portion of a spring seat in a direction toward an each end of the roller,
- e) each of the plate-like restricting means is inserted in an insertion hole which is formed in the tappet body portion between an inside of the cylindrical slide portion and an outside of the tappet body portion and the spring seat is housed inside of the cylindrical slide portion, and
- f) a gap is formed around the plate-like restricting means in the insertion hole.
- Claim 12. (New) A fuel supply pump having a tappet structural body which includes a roller and a tappet body portion which houses a roller, which supplies a fuel under pressure by pressurizing the fuel, wherein
- a) the tappet body portion includes a body portion which has a roller receiver having an inner peripheral surface which conforms to an outer peripheral surface of the roller and a cylindrical slide portion which extends upwardly from an end portion of an upper surface of the body portion,
- b) the roller is rotatably held by the roller receiver of the tappet body portion,

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c) the fuel supply pump includes plate-like restricting means which restrict a movement of the roller in the rotary axis direction,

- d) each of the plate-like restricting means is constituted by extending a portion of the peripheral portion of a spring seat in a direction toward an each end of the roller,
- e) each of the plate-like restricting means is inserted in an insertion hole which is formed in the tappet body portion between an inside of the cylindrical slide portion and an outside of the tappet body portion without spreading a distance of each of the plate-like restricting means and the spring seat is housed inside of the cylindrical slide portion, and
- f) a gap is formed around the plate-like restricting means in the insertion hole.
- Claim 13. (New) A fuel supply pump according to claim 11, wherein the roller includes a pin portion which constitutes the center of rotation of the roller and a roller portion which is a thick wall portion which is formed around the pin portion and is rotatable while being in a slide contact with a roller body and the pin portion and the roller portion are integrally formed.
- Claim 14. (New) A fuel supply pump according to claim 11, wherein the fuel supply pump is applicable to a booster-type accumulator fuel injection device which pressurizes fuel having a flow rate per unit time of 500 to 1500 litter/hour to a value of 50MPa or more.
- Claim 15. (New) A fuel supply pump according to claim 12, wherein the roller includes a pin portion which constitutes the center of rotation of the roller and a roller portion which is a thick wall portion which is formed around the pin portion and is rotatable while being in a slide contact with a roller body and the pin portion and the roller portion are integrally formed.
- Claim 16. (New) A fuel supply pump according to claim 12, wherein the fuel supply pump is applicable to a booster-type accumulator fuel injection device which pressurizes

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fuel having a flow rate per unit time of 500 to 1500 litter/hour to a value of 50MPa or more.